FUDS Military Munitions Response Program

Mark Seebeck CEMP-CED (202)761-0299 mark.seebeck@usace.army.mil

Jeff Waugh CEMP-CED (202)761-7263 jeffrey.h.waugh@usace.army.mil



US Army Corps of Engineers
BUILDING STRONG®



a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified	Same as Report (SAR)	15		
16. SECURITY CLASSIFIC		17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON		
15. SUBJECT TERMS						
14. ABSTRACT						
13. SUPPLEMENTARY NO Presented at the N : held 14-17 June 20	DIA Environment, I	Energy Security & S	Sustainability (E2	S2) Symposi	um & Exhibition	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited						
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)		
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) US Army Corps of Engineers, CEMP-CED, 441 G Street NW, Washington, DC, 20314-1000				8. PERFORMING ORGANIZATION REPORT NUMBER		
				5f. WORK UNIT NUMBER		
				5e. TASK NUMBER		
6. AUTHOR(S)				5d. PROJECT NUMBER		
				5c. PROGRAM ELEMENT NUMBER		
4. TITLE AND SUBTITLE FUDS Military Munitions Response Program				5a. CONTRACT NUMBER 5b. GRANT NUMBER		
1. REPORT DATE JUN 2010	2. REPORT TYPE			3. DATES COVERED 00-00-2010 to 00-00-2010		
maintaining the data needed, and of including suggestions for reducing	lection of information is estimated to completing and reviewing the collection this burden, to Washington Headquuld be aware that notwithstanding and DMB control number.	ion of information. Send comments arters Services, Directorate for Info	regarding this burden estimate or ormation Operations and Reports	or any other aspect of the control o	his collection of information, Highway, Suite 1204, Arlington	

Report Documentation Page

Form Approved OMB No. 0704-0188



Topics For Discussion



- Achievements
 - ► SI Milestones
 - ▶ Innovative Technology
 - ▶ FUDS GIS
- On Going Actions
 - ► Interim Risk Management
- Future Direction
 - ► MMRP Strategy
 - ► MMRP Sequencing



Achievements



- Completed 787 MMRP-SI's
- Completed Actions at 561 sites
- Innovative technologies
- FUDS GIS



MMRP Innovative Technology FY09



New/Emerging Technologies demonstrated at eight FUDS

Spring Valley
Plum Tree Island
Martha's Vineyard
Pole Mountain

Camp San Luis Obisbo Great Salt Plain Bombing Range Pine Ridge Gunnery Range Lowery Gunnery & Bombing Range

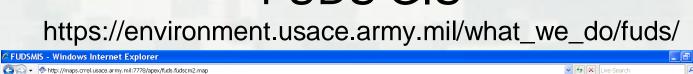
Sixteen technologies demonstrated

- -VSP
- -Innovative Materials Handling
- -Autonomous Robotics
- -GPR supporting decision rules

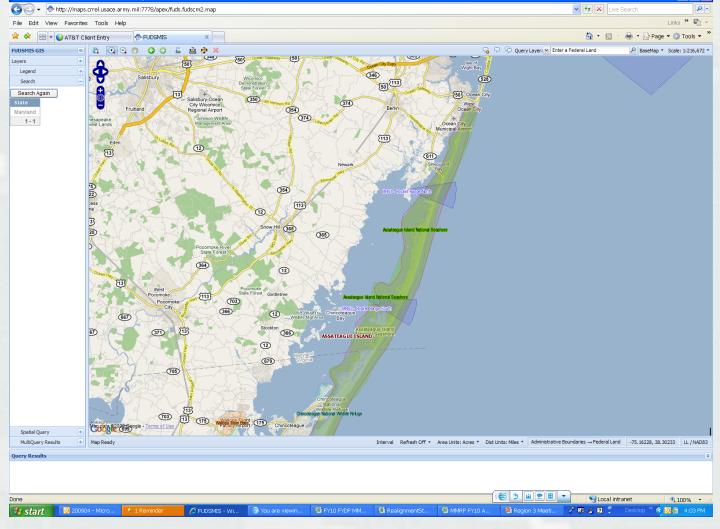
- -Underwater EMI sensor
- -Side Scan Sonar
- -Real-time underwater video
- Phytoremediation of Arsenic
- -Advanced EMI and Multi-component Sensors (4 types)
- -Advanced Anomaly Classifications (4 types)



FUDS GIS









On Going Actions



- Implement MMRP Interim Risk Management
- Fund High Visibility Projects
- Focus On Completing On-going Remedial And Removal Projects
- Limited New Starts for RI's



FUDS Interim Risk Management-



Continuing Efforts

- Presenting a UXO safety display at this years County Agencies Meeting
- ▶ PAOs use UXO 3R's Safety information at public meetings on MMRP projects, including meetings held specifically for the SI Program
- ► Maintaining web page with a link to the DENIX safety education page
- ▶ Updating public GIS website with property polygons sent in from the field

New and Future Efforts

- ▶ Developing an outline and schedule for responding to elements (i.e. community outreach, notification, safety education, construction support) of program
- ▶ Using MRSPP scores to initiate a phased notification program that meets all DoD and DA requirements.
- ► Specific outreach ideas being developed are: video games for educating young children about the 3Rs, targeted newsletters, and other updated presentation materials for public meetings



High Visibility Projects



►MMRP

- Sibert, AL
- Camp Wheeler, GA
- Culebra, PR
- Frankford Arsenal, PA
- Orlando Range and Chemical Yard, FL
- Pinecastle Jeep Range, FL
- Spring Valley, DC
- Waikoloa Maneuver Area, HI

►HTRW

- West Virginia Ordnance Works, WV
- F.E. Warren Site 4, WY



On-going Cleanup





Future Direction



- MMRP Strategy
- MMRP Sequencing



MMRP Strategy



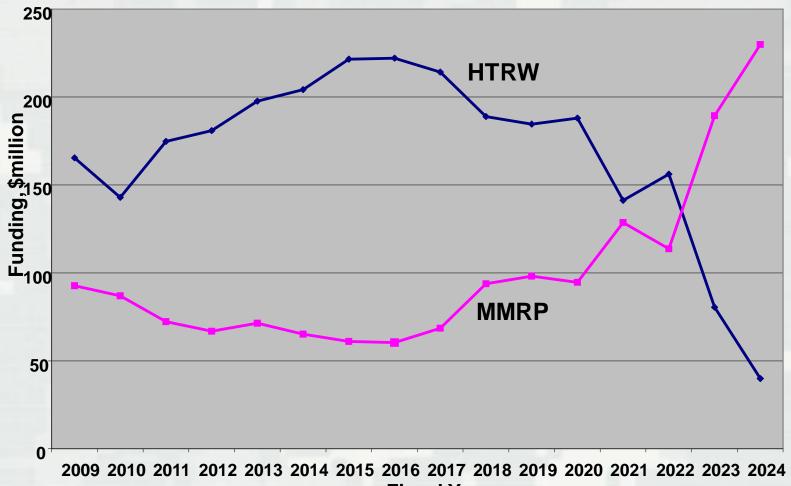
Proposed Goals

- Short-term
 - ▶ Implementing MMRP Safety Education
 - ▶ Complete currently funded Removal Actions
 - ▶ Complete MMRP SI's
- Mid-term
 - ► Complete On-going Cleanups Initiated Prior to FY10
 - ▶ Complete CWM Projects
 - ▶ Develop MMRP Program Management Plan
- Long-term
 - ► Focus On RIP/RC (Cleanup) Not Study (No RI program)
 - ▶ Increase MMRP Funding Level



Transition of Funding (FY09 ARC)





Fiscal Year

Army MRS Sequencing



- The sequencing of MRSs for action shall be based primarily on the MRS priority determined through applying the Munitions Response Site Prioritization Protocol (MRSPP). Exceptions include:
 - "Evaluation Pending" MRS Generally not sequenced for action until the necessary degree of characterization is complete.
 - Ongoing Response Actions (e.g., Time-Critical Removal Actions) Sequencing for any additional response actions will generally occur after the current action is complete and after MRSPP has been reapplied in consideration of the changes in site conditions.
 - Risk Plus Factors The risk-plus factors are to be evaluated on a site-specific basis and should not be considered independently from, but in addition to, the assigned relative priority scores.



